

**Amendments to the Claims:**

The Claim Listing below will replace all prior versions of the claims in the application:

**Claim Listing:**

1. (Previously presented) An isolated bacteriophage which is lytic for *Methylobacterium* species.
2. (Currently amended) The bacteriophage of claim 1, wherein the bacteriophage is deposited as ATCC #PTA-5075.
3. (Canceled)
4. (Original) The bacteriophage of claim 1 wherein the bacteriophage is lytic for Pink Pigmented Facultative Methylotrophs (PPFM).
5. (Previously Presented) The bacteriophage of claim 4 wherein the PPFM is selected from the group consisting of *M. mesophilicum*, *M. organophilum* and *M. extorquens* and combinations thereof.
6. (Canceled)
7. (Original) A method for purifying a bacteriophage which is lytic for *Methylobacterium* species comprising the steps of:
  - a) obtaining bacteriophage from a sample that has been in contact with plant matter;
  - b) plating the bacteriophage onto a medium comprising at least one *Methylobacterium* species derived from a plant or seeds of a plant;
  - c) collecting plaques formed in the *Methylobacterium*-containing medium; and
  - d) purifying the isolated plaques.

8. (Original) The method of claim 7 wherein steps b-d are repeated with the product of step (d) until a virulent bacteriophage preparation is obtained.
9. (Original) The method of claim 7 wherein the *Methylobacterium* species is a PPFM.
10. (Currently amended) The method of claim 7 wherein the PPFM is selected from the group consisting of *M. mesophilicum*, *M. organophilum* and *M. extorquens* [[or]] and combinations thereof.
- 11-22. (Cancelled)
23. (Previously Presented) A formulation for removing *Methylobacterium* from a plant or seeds of a plant comprising a bacteriophage lytic for at least one *Methylobacterium* species and a carrier, diluent or dispersant, wherein the bacteriophage is present in an amount sufficient to significantly reduce or eliminate *Methylobacterium* from the plant or seeds of the plant.
24. (Original) The formulation of claim 23 wherein the amount of bacteriophage in the formulation is about  $10^4$  to  $10^6$  pfu per mL.
- 25-48. (Cancelled)
49. (Previously presented) A kit for applying a bacteriophage lytic for *Methylobacterium* to a plant comprising, the bacteriophage and a suitable carrier, diluent or dispersant in a container and a mechanism for dispensing the bacteriophage from the container.

50. (Previously presented) A kit for applying a bacteriophage lytic for *Methylobacterium* to a plant comprising a freeze dried bacteriophage in a first container; a suitable phage carrier diluent or dispersant in a second container; and a mechanism for dispensing the bacteriophage.
51. (Original) The kit of claim 49 wherein the mechanism for dispensing the bacteriophage is a sprayer.
52. (Original) The kit of claim 49 wherein the mechanism for dispensing is a wipe.
- 53-56. (Cancelled)
57. (Withdrawn) A method of removing *Methylobacterium* from plants and seeds of plants, comprising contacting a plant or seed of a plant with a bacteriophage which is lytic for species of the genus *Methylobacterium*, in an amount effective to significantly reduce, or eliminate the *Methylobacterium* from the plant or seeds of the plant.
58. (Withdrawn) The method of claim 57 wherein the bacteriophage is present in ATCC# PTA-5075.
59. (Withdrawn) The method of claim 57 wherein the *Methylobacterium* is PPFM.
60. (Withdrawn) The method of claim 59, wherein the PPFM is selected from the group consisting of *M. mesophilicum*, *M. organophilum* and *M. extorquens*.
61. (Withdrawn) A method of producing male sterility in plants comprising contacting at least a portion of the plant or seeds of the plant with a bacteriophage which is lytic for species of the genus *Methylobacterium* in an amount effective to sterilize the plant or seeds of the plant.

62. (Withdrawn) The method of claim 61 wherein the bacteriophage is selected from ATCC# PTA-5075.
63. (Withdrawn) The method of claim 61 wherein the *Methylobacterium* is PPFM.
64. (Withdrawn) The method of claim 63, wherein the PPFM is selected from the group consisting of *M. mesophilicum*, *M. organophilum* and *M. extorquens*.
65. (Withdrawn) The method of claim 61 wherein the effective amount of bacteriophage is about  $10^4$  to  $10^6$  pfu per mL.
66. (Withdrawn) A method of obtaining hybrid seeds of a plant comprising:
  - (a) producing male sterility in a plant by contacting at least a portion of the plant with a bacteriophage which is lytic for species of the genus *Methylobacterium* in an amount effective to sterilize the plant;
  - (b) pollinating a flower from the male-sterile plant with pollen from a source of interest; and
  - (c) collecting hybrid seeds from the plant.